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• view study material				t			
	Outbound Data Flow		view study material				

Description	Keep	track of your atte	ndance by marking	g your classes			
	Get list of subjects						
Inbound Data Flow		• Set subje	ect wise attendanc	e			
		• Ge	t attendance				
		• Vie	w attendance				
Outbound Data Flow		• Sh	ow attedance				
		Request	for subjects of use	er			
Process Name		10. Ha	mburger Menu				
5	_		_				
Description	To access your profile and other settings for the app						
	• Get user detai	ls (SID, Name, bran	ch, year, semester	, clubs, instagrar	m handle)		
Inbound Data Flow	• Req	uest for update of	subjects/clubs/ins	stagram handle			
Inboding Data Flow	Get subjects						
	Get authorization						
	 update subjects/clubs/instagram handle 						
Outbound Data Flow			• Sign out				
			elete account				
		• Sho	ow user profile				

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		DATA FLOW	
1	Data Flow Name	Name, Email and SID of all students	
	Description	Admin stores the name, email and SID of all students in college in the database for authentication	
	From Process		
	To Process	1.0 Storage of student database	
	Data Structures	-	
	Data Structures	Super	
2	Data Flow Name	Login Attempt	
	Description	Student/CR/Secreatary/Joint Secreatary makes a login attempt	
	From Process	-	
	To Process	2.1 Login	
	Data Structures	SignUp, Authorization	
3	Data Flow Name	Login Status	
	Description	The login credentials are sent to the database to verify	
	From Process	2.1 Login	
	To Process Data Structures	- SignUp, Authorization	
	Data Structures	Signop, Authorization	
4	Data Flow Name	Access level check	
	Description	To check the authorization level of the user	
	From Process	2.1 Login	
	To Process		
	Data Structures	Authorization	
5	Data Flow Name	Student detail check	
	Description	Existence status of the user is checked from the database	
	From Process	2.2 Sign-up	
	To Process	•	
	Data Structures	Super	
6	Data Flow Name	Sign-up attempt	
	Description	Check identity of the user	
	From Process		
	To Process	2.2 Sign-up	
	Data Structures	SignUp	
7	Data Flow Name	Update login state and auth level	
	Description	The login state and auth level are updated in the local storage	
	From Process	2.2 Sign-up	
	To Process	-	
	Data Structures	User Table (Local Storage)	
8	Data Flow Name	Update username and password	
	Description	The username and password (saved hashed) are saved into the database	
	From Process	2.2 Sign-up	
		g F	

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24 Data Flow Name Request List Description Get list of users of a club from database From Process From Process Data Structures Personal 25 Data Flow Name Assignment/quiz schedule Description Assignment deadline and quiz/exam schedule announcement posted by the CRs From Process To Process G.3 Receive date for deadline/exam Description Store the notifications to further send it to the concerned group of users From Process From Process Obstractions From Process Obstractions Obscription Store the notifications to further send it to the concerned group of users Obstractions Obstractions Obscription Store the notifications to further send it to the concerned group of users Obstractions Ob					-				
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25 Data Flow Name Assignment/quiz schedule Description Assignment deadline and quiz/exam schedule announcement posted by the CRs From Process To Process Oata Structures Data Structures Data Flow Name Store details for notifications Description Store the notifications to further send it to the concerned group of users From Process 6.3 Receive date for deadline/exam Description Store the notifications to further send it to the concerned group of users From Process 6.3 Receive date for deadline/exam To Process									
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To Process Data Structures Data Structures Data Flow Name Description Store the notifications to further send it to the concerned group of users From Process To Process To Process		Description	Assignment dead	line and quiz/e	xam schedule a	announcement	posted by the	CRs	
Data Structures Data Structures Data Flow Name Store details for notifications Description Store the notifications to further send it to the concerned group of users From Process From Process To Process		From Process			-				
26 Data Flow Name Store details for notifications Description Store the notifications to further send it to the concerned group of users From Process 6.3 Receive date for deadline/exam To Process -				6.3 Receiv	e date for dead	lline/exam			
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Description Store the notifications to further send it to the concerned group of users From Process 6.3 Receive date for deadline/exam To Process -	26	Data Flow Name		Store de	etails for notif	ications			
From Process 6.3 Receive date for deadline/exam To Process	•		Store the noti				aroup of users		
To Process ·		-	Store the noti				group or users		
				b.3 Receiv	e date for dead	iiine/exam			
- I I I I I I I I I I I I I I I I I I I				N	otifications Tah	ole			
				N	otifications Tab	ole			

27	Data Flow Name		Get n	otification to	send			
	Description	Get th						
	From Process			-				
	To Process	6.4		lents from the		ar		
	Data Structures		No	otifications Tal	ole			
28	Data Flow Name	Update	notification	details for th	nat branch an	d year		
	Description	L	ist of all the t	asks that are o	due in one day			
	From Process	6.4	Send to stud	lents from the	branch and ye	ar		
	To Process			-	•			
	Data Structures		St	udent Noti Tab	ole			
29	Data Flow Name	Reques	st list of stu	dents from CI	R's branch an	d year		
	Description	Request list of stu	idents from C	:R's branch and	l year to send	them notification	n	
	From Process			lents from the				
	To Process	0.4	rocha to otac	-	branen ana ye	ui		
	Data Structures			Personal				
30	Data Flow Name		Ge	t list of stude	nts			
	Description	Get list of	students from	n the database	helonging to t	hat group		
	From Process	Get not or t	otudento mon	Title database	belonging to t	inat group		
	To Process	6.4	Send to stud	lents from the	branch and ve	ar		
	Data Structures	0	. 00.14 10 0140	Personal	oranon ana ye	u.		
31	Data Flow Name	F	Request pen	ding student	notifications			
	Description	Requ	est pending r	notifications fo	or that user (if a	any)		
	From Process		6.5 Send noti	fication to con	cerned users			
	To Process			-				
	Data Structures		St	udent Noti Tab	ole			
32	Data Flow Name		Requ	est to view p	rofile			
	Description		Request to	view profile of	a said user			
	From Process			-				
	To Process			7.0 Pec Social				
	Data Structures			Personal				
33	Data Flow Name			Show Profile				
	Description		view the pro	ofile of the use	r asked for			
	From Process			7.0 Pec Social				
	To Process			-				
	Data Structures			-				
34	Data Flow Name		Uplo	ad study mat	erial			
	Description	CRs upload	relevant stud	ly material for	their respectiv	e subjects		
	From Process			-				
	To Process		8.	0 Study Mater	ial			
	Data Structures			-				
	5 . 5		_					
35	Data Flow Name		-	to view study				
	Description	Requ	est to view s	tudy material c	of a certain sub	ject		
		Requ	-	-		oject		

	To Process		8 U 64	udy Materia	al			
	Data Structures		0.0 30	-	aı			
36	Data Flow Name		View st	tudy mate	rial			
	Description	Sho	w the study materi	ial for that i	respective subj	ject		
	From Process			-				
	To Process		8.0 Stu	udy Materia	al			
	Data Structures			-				
07	Data Flavy Name		Olean etten	d = d / = = 4 = 4				
37	Data Flow Name		Class attend					
	Description	Mark the cla	sses you attended	as well as	not attended f	or a subject		
	From Process			-				
	To Process			rk attendan				
	Data Structures	Atte	endance Table & Su	ubject Tabl	e (Local Storaç	ge)		
38	Data Flow Name	Se	nd subject code t	to increme	ent attendand	e		
	Description	send the subject coo	le to in-ann storage	e to increm	ent the attend	ance of that su	hiect	
	·	Jena the subject COC				oc or mat su	~,~~	
	From Process To Process		9.1 Mark att	endance, S al Storage	subjects			
	Data Structures	Atte	endance Table & Si	-	e (Local Storac	ne)		
	2 a.a on dotales	Atti		,	. ,=====	··/		
39	Data Flow Name		Request a	ttendance	- data			
			-					
	Description	Request the atte	ndance data (subj	ect, total cl	asses held, cla	isses attended)	
	From Process		9.3 Compu		nce %			
	To Process Data Structures	A++	Loc: endance Table & Su	al Storage	o (Local Stora	*a)		
	Data Structures	Atte	eridance rable & St	ubject rabi	e (Local Storaç	je)		
40	Data Flow Name		-	ed attenda				
	Description	The computed attendance is		the number percentage		user can miss	to maintain	
	From Process		9.3 Compu					
	To Process		9.2 Viev	w attendan	ice			
	Data Structures			-				
41	Data Flow Name		Request to	view atte	ndance			
	Description	Heer	sends request to			and		
	·	Usei	senus request to	view trieli a	attenuance rec	ora		
	From Process To Process		0.01/:	-				
	Data Structures		9.2 VIE	w attendan -	ice			
	Data Structures							
42	Data Flow Name		Show	attendanc	e			
	Description	The app sho	ows the attendance	e details of	that user for t	hat subject		
	From Process		9.2 Vie	w attendan	ice			
	To Process			-				
	Data Structures			-				
43	Data Flow Name	Request red	uired Club Name	es corresp	oding to the	club codes		
	Description	Get clu	ıbs names from ba	ackend to d	isplay in view p	orofile		
	From Process			View Profile				
	To Process		10.1	-	-			
			Club	Convertor				
	Data Structures							
	Data Structures							
44			Pogueet	licaria da	taile			
44	Data Flow Name		•	user's de				
44		Req	Request			file		
44	Data Flow Name	Req	uest for user's det		lay in view pro	file		

	To Process	- Davagnal	
	Data Structures	Personal	
45	Data Flow Name	Add/Update user's instagram handle	
	Description	Request to add or update user's instagram handle in backend	
	·		
	From Process	10.2 Add/Update Instagram handle	
	To Process Data Structures	- Personal	
	Data Structures	reisonal	
46	Data Flow Name	Request list of user's clubs to append/delete	
	Description	Request list of user's clubs from backend to edit it	
	·	<u>'</u>	
	From Process To Process	10.3 Edit clubs	
	Data Structures	- Personal	
	Data Structures	reisonai	
47	Data Flow Name	Request search results	
	Description	The user can search for available clubs to edit his/her list	
	From Process	10.3 Edit clubs	
	To Process	-	
	Data Structures	Club Convertor	
48	Data Flow Name	Update Login/Signup status	
	Description	update the signup status from local storage in case user wants to logout	
	From Process	10.4 Log Out	
	To Process	-	
	Data Structures	User Table (Local Storage)	
49	Data Flow Name	Remove user from records	
	Description	If the user wants to delete account, we remove his records from database	
	From Process	10.5 Delete Account	
	To Process		
	Data Structures	Personal	
	Data Flaur Nama	Damaya yaan fransi tablaa	
50	Data Flow Name	Remove user from tables	
	Description	If the user wants to delete account, we remove his records from tables in backend	
	From Process	10.5 Delete Account	
	To Process	· ·	
	Data Structures	Authorization Table, Signup Table, Notifications Table	
51	Data Flow Name	Request to check the user's password	
-		·	
	Description	Request to check the user's password before deleting their account for authenticity	
	From Process	10.5 Delete Account	
	To Process	·	
		SignUp Table	
	Data Structures	Signop Table	
		Signop rable	
52			
52	Data Structures Data Flow Name	Get current password and existence status of the user	
52	Data Structures		
52	Data Structures Data Flow Name Description From Process	Get current password and existence status of the user To check the user's password before deleting their account for authenticity	
52	Data Structures Data Flow Name Description From Process To Process	Get current password and existence status of the user To check the user's password before deleting their account for authenticity - 10.5 Delete Account	
52	Data Structures Data Flow Name Description From Process	Get current password and existence status of the user To check the user's password before deleting their account for authenticity	
52	Data Structures Data Flow Name Description From Process To Process	Get current password and existence status of the user To check the user's password before deleting their account for authenticity - 10.5 Delete Account	
	Data Structures Data Flow Name Description From Process To Process Data Structures	Get current password and existence status of the user To check the user's password before deleting their account for authenticity	
52	Data Structures Data Flow Name Description From Process To Process	Get current password and existence status of the user To check the user's password before deleting their account for authenticity - 10.5 Delete Account	

	To Process	•	
	Data Structures	SignUp Table	
54	Data Flow Name	Request list of subjects to append/delete	
	Description	Request list of subjects from backend to edit	
	From Process	10.7 Edit subjects	
	To Process		
	Data Structures	Subject Table (Local Storage)	
55	Data Flow Name	Request search results	
	Description	The user can search for available subjects to edit his/her list	
	From Process	10.7 Edit subjects	
	To Process		
	Data Structures	Sub Convertor Table	
56	Data Flow Name	Request to store user's clubs	
	Description	Store user's clubs on local storage	
	From Process	10.3 Edit clubs	
	To Process	-	
	Data Structures	Clubs Table(Local Storage)	

	DATA ELEMENTS	
Element Name	1. SID	
Description	Unique Identification number for each student who uses the application	
Туре	Integer	
Length	8	
Element Name	2. Name	
Description	Name of the student of PEC using the application	
Туре	String	
Length	100	
Element Name	3. Email	
Description	Official College Email Address of the student of PEC using the application	
Туре	Official College Email Address of the student of PEC using the application String	
Length	100	
Element Name	4. Password	
Description	Password of student using application, encrypted before storing for privacy and security	
Туре	String	
Length	50	
5 1		
Element Name	5. Auth	
Description	Authorization of the Student, either 1 or 2, determining if a student is a class representative or a Secretary/Joint Secretary of a Club/Technical Society. Auth = 0 is not saved in the data store.	
Туре	Integer	
Length	1	
Element Name	6. Domain	
Description	Determines the club code of the respective Seccy or Joint Seccy of a club in the authorization table. Holds value xx for CRs.	
Туре	String	
Length	50	
Element Name	7. Branch	
Liciliciit Naille	7. Dianoi	
Description	Name of the branch the student is enrolled in.	
Туре	String	
Length	25	
Element Name	8. Year	
Description	Current academic year of the student in PEC	
Туре	Integer	

Length	1	
Element Name	9. Semester	
Description	Current Semester number of the student in PEC	
Туре	Integer	
Length	1	
Length	<u>'</u>	
FI	40 01 1	
Element Name	10. Club_codes	
Description	A string of double digit club codes concatonated together based on the respective clubs and technical societies a student is a part of.	
Туре	String	
Length	50	
Length	30	
Element Name	11. Insta	
Description	Holds the Instagram handle of a student.	
Туре	String	
Length	50	
Length	30	
Element Name	12. Subject	
Description	Name of a subject based on the corresponding subject code	
Туре	String	
Length	50	
Element Name	13. Sub_code	
Description	The subject code mapped to it's respective subject. contains 3 letters followed by three numbers, which together form a unique subject code.	
Туре	String	
Length	100	
Lengui	100	
Element Name	14. Club (alias = Society)	
Description	Name of the club or technical society based on the corresponding club codes	
Туре	String	
Length	50	
Length	30	
Element Name	15. Club_code (alias = Society_code)	
Description	The club code is a double digit number uniquely mapped to it's respective Club.	
Туре	The club code is a double digit number uniquely mapped to it's respective Club. String	
Length	100	
Element Name	Noti_id A unique id mapped to every notification that is sent to the backend to cast to the respective students it	
Description	is meant for.	
Type Length	Integer 3	
Element Name	17. Topic	
Description Type	Represents the Topic of the event sent as a notification String	

Element Name	18. Description	
Description	Holds the description of an event send as a notification.	
Туре	Text	
Length	500	
Element Name	19. Date	
Description	Holds the date of the event sent in the notification.	
Туре	Date	
Length	10	
Element Name	20. Time	
D		
Description	Holds the time of the event sent in the notification.	
Туре	Time	
1 	_	
Length	5	
Element Name	21. Avatar	
Description	Holds a string of the image name of an avatar selected by the user.	
Description	riolus a suring of the image name of all avaital selected by the user.	
Type	String	
Length	100	
Element Name	21. Subject	
Liement Hume	A string that stores the name of the subject based on the respective subjects that the user decides to	
Description	keep a track of	
Туре	String	
Length	100	
Element Name	22. Subtitle	
	A string that stores the name of the subtypesubject based on the respective subjects that the user	
Description	decides to keep a track of (Eg Lecture, Lab, Tutorial)	
Туре	String	
Longth	20	
Length	20	
Element Name	23. classesAttended	
Description		
Description	Integer that stores the number of classes attended of a particular subject and respective subtitle	
Type Length	Integer 2	
Length	2	
Element Name	24. totalClasses	
Do		
Description	Integer that stores the number of classes attended of a particular subject and respective subtitle	
Type Length	Integer 2	
Length	2	
Flore 141		
Element Name	25. Club	
Description	A string that stores the name of the Club/Society that the user chooses to be a part of	
Туре	String	
Length	50	
- 3,		
Element Name	26. description	
Descript:	String that contains the subject and subtitle concatenated based on the respective entry in the Custom	
Description	Reminders Table	
Type	String	
Length	150	
Length		
	27. year	

Type	Integer	
Length	4	
Length	· · · · · · · · · · · · · · · · · · ·	
Element Name	28. Month	
Description	Integer that stores the month that corresponds to the date of an entry in the Custom Reminders Table	
Туре	Integer	
Length	2	
Element Name	29. Day	
Description	Integer that stores the day that corresponds to the date of an entry in the Custom Reminders Table	
Туре	Integer	
Length	2	
Length	2	
Element Name	30. Hour	
Liement Name	Integer that stores the hour that corresponds to the date of an entry in the Custom Reminders Table in	
Description	24 hour format	
Туре	Integer	
Length	2	
Element Name	31. Minute	
Description	Integer that stores the Minute that corresponds to the date of an entry in the Custom Reminders Table	
Туре	Integer that stores the Militate that corresponds to the date of an entry in the custom Reminders rable	
Length	2	
Element Name	32. getNotified	
Element Name		
Description	Boolean that stores the user's option regarding whether they want to get notified when an entry in the custom reminders reaches its arrival date	
Туре	Boolean	
Length	1	
Element Name	33. SubjectCode	
	A string that stores the name of the subject code corresponding to a subject based on the respective	
Description Type	subjects that the user decides to keep a track of String	
Length	6	
Element Name	34. Title	
Liement Name	A String that stores the subject and subtitle concatenated which stores the title of an entry in the	
Description	attendance table	
Type	String	
Length	150	
Element Name	35. startYear	
Description	An integer that stores the starting year of an event in the Timetable table	
Туре	Integer	
Length	4	
Element Name	36. startMonth	
Description	An integer that stores the starting month of an event in the Timetable table	
Туре	Integer	
Length	2	
Lengui	Δ	
Floment Name	27 startDay	
Element Name	37. startDay	
Description	An integer that stores the starting day of an event in the Timetable table	
Туре	Integer	
Length	2	
Element Name	38. starHour	

Description	An integer that stores the starting hour of an event in the Timetable table in a 24 hour format	
Туре	Integer	
Length	2	
Element Name	39. startMinute	
Description	An integer that stores the starting minute of an event in the Timetable table	
Туре	Integer	
Length	2	
Element Name	40. endYear	
Description	An integer that stores the starting year of an event in the Timetable table	
Туре	Integer	
Length	4	
Element Name	41. endMonth	
Description	An integer that stores the starting month of an event in the Timetable table	
Туре	Integer that stores the starting month of an event in the finite table	
Length	2	
Element Name	42. endDay	
D		
Description	An integer that stores the starting day of an event in the Timetable table	
Type Length	Integer 2	
Length	<u> </u>	
Element Name	43. endHour	
Description	An integer that stores the starting hour of an event in the Timetable table in a 24 hour format	
Type	An integer that stores the starting hour of an event in the Timetable table in a 24 hour format Integer	
Length	2	
g***		
Element Name	44. endMinute	
Liement Name	44. enuminate	
Description	An integer that stores the starting minute of an event in the Timetable table	
Туре	Integer	
Length	2	
Element Name	45. Interval	
2.5ment Hame	An integer that stores how frequently an event is repeated in the Timetable table (eg. 7 for weekly, 365	
Description	for other)	
Туре	Integer	
Length	3	
Element Name	46. SID	
Liement Name	70. 010	
Description	An integer that stores the sid that a user signs up with	
Туре	Integer	
Length	8	
FI. · · ·	47.5	
Element Name	47. Password	
Description	A string that the user chooses to sign up with	
Type	String	
Length	20	
Element Name	48. Auth	
Danasis (*	An integer that stores the authorisation level of a user, 0 = student, 1 = CR, 2 = Club/Society	
Description	Secretary/Joint Secreteary	
Type Length	Integer 1	
Length	<u>'</u>	
Element Name	49. Login	
Description	An integer that stores the login status of a user, 0 = logged out, 1 = logged in	
Туре	Integer	
Length	1	

	DATA STORES						
Data Store Name	1. Super Table						
Description	Contains details of Name, SID and official PEC email address of every student in PEC.						
Inbound Data Flows	Storage of Student Database 2.2 Sign-up						
Outbound Data Flows	2. User Detail status						
Data Description	SID(Primary key), Name, Email						
Data Store Name	2. SignUp Table						
Description	Contains the SID and the hashed passwords of all the Users who have an account registered w the application.						
Inbound Data Flows	2.1 Account existence check 2.2 Add user's password 10.6 Request to check user's existence and password 10.6 Update new password						
Outbound Data Flows	2.1 Account existence status 10.6 Get user's existence and password						
Data Description	SID(primary key), Password						
Data Store Name	3. Authorization Table						
Data Store Name Description	3. Authorization Table Hold the authorization level of students who are secretaries/joint secretaries of clubs/technical societies or are Class Representatives of their class.						
	Hold the authorization level of students who are secretaries/joint secretaries of clubs/technical						
Description	Hold the authorization level of students who are secretaries/joint secretaries of clubs/technical societies or are Class Representatives of their class. 2.1 Access Level Check						
Description Inbound Data Flows	Hold the authorization level of students who are secretaries/joint secretaries of clubs/technical societies or are Class Representatives of their class. 2.1 Access Level Check 10.5 Remove user from table						
Description Inbound Data Flows Outbound Data Flows	Hold the authorization level of students who are secretaries/joint secretaries of clubs/technical societies or are Class Representatives of their class. 2.1 Access Level Check 10.5 Remove user from table 2.1 Access Level Status						
Description Inbound Data Flows Outbound Data Flows	Hold the authorization level of students who are secretaries/joint secretaries of clubs/technical societies or are Class Representatives of their class. 2.1 Access Level Check 10.5 Remove user from table 2.1 Access Level Status						
Description Inbound Data Flows Outbound Data Flows Data Description	Hold the authorization level of students who are secretaries/joint secretaries of clubs/technical societies or are Class Representatives of their class. 2.1 Access Level Check 10.5 Remove user from table 2.1 Access Level Status SID(primary key), Auth, Domain						
Description Inbound Data Flows Outbound Data Flows Data Description Data Store Name	Hold the authorization level of students who are secretaries/joint secretaries of clubs/technical societies or are Class Representatives of their class. 2.1 Access Level Check 10.5 Remove user from table 2.1 Acces Level Status SID(primary key), Auth, Domain 4. Personal Table						
Description Inbound Data Flows Outbound Data Flows Data Description Data Store Name Description	Hold the authorization level of students who are secretaries/joint secretaries of clubs/technical societies or are Class Representatives of their class. 2.1 Access Level Check 10.5 Remove user from table 2.1 Acces Level Status SID(primary key), Auth, Domain 4. Personal Table Contains basic data of the user which includes their name, semester year etc. 2.3 Save list of clubs of user 6.2 Request list of students from that secy's club 6.4 Request list of students from that CR's branch and year						
Description Inbound Data Flows Outbound Data Flows Data Description Data Store Name Description Inbound Data Flows	Hold the authorization level of students who are secretaries/joint secretaries of clubs/technical societies or are Class Representatives of their class. 2.1 Access Level Check 10.5 Remove user from table 2.1 Acces Level Status SID(primary key), Auth, Domain 4. Personal Table Contains basic data of the user which includes their name, semester year etc. 2.3 Save list of clubs of user 6.2 Request list of students from that secy's club 6.4 Request list of students from that CR's branch and year 10.5 Remove user from table 6.2 Get list of students from that secy's club 6.4 Get list of students from that CR's branch and year						
Description Inbound Data Flows Outbound Data Flows Data Description Data Store Name Description Inbound Data Flows Outbound Data Flows Data Description	Hold the authorization level of students who are secretaries/joint secretaries of clubs/technical societies or are Class Representatives of their class. 2.1 Access Level Check 10.5 Remove user from table 2.1 Acces Level Status SID(primary key), Auth, Domain 4. Personal Table Contains basic data of the user which includes their name, semester year etc. 2.3 Save list of clubs of user 6.2 Request list of students from that secy's club 6.4 Request list of students from that CR's branch and year 10.5 Remove user from table 6.2 Get list of students from that CR's branch and year 10. Get user details SID (primary key, Foreign Key [reference to SignUp]), Name, Branch, Year, Semester, Clubs, Insta, Avatar						
Description Inbound Data Flows Outbound Data Flows Data Description Data Store Name Description Inbound Data Flows Outbound Data Flows	Hold the authorization level of students who are secretaries/joint secretaries of clubs/technical societies or are Class Representatives of their class. 2.1 Access Level Check 10.5 Remove user from table 2.1 Acces Level Status SID(primary key), Auth, Domain 4. Personal Table Contains basic data of the user which includes their name, semester year etc. 2.3 Save list of clubs of user 6.2 Request list of students from that secy's club 6.4 Request list of students from that CR's branch and year 10.5 Remove user from table 6.2 Get list of students from that secy's club 6.4 Get list of students from that CR's branch and year 10. Get user details SID (primary key, Foreign Key [reference to SignUp]), Name, Branch, Year, Semester, Clubs, Insta,						
Description Inbound Data Flows Outbound Data Flows Data Description Data Store Name Description Inbound Data Flows Outbound Data Flows Data Description	Hold the authorization level of students who are secretaries/joint secretaries of clubs/technical societies or are Class Representatives of their class. 2.1 Access Level Check 10.5 Remove user from table 2.1 Acces Level Status SID(primary key), Auth, Domain 4. Personal Table Contains basic data of the user which includes their name, semester year etc. 2.3 Save list of clubs of user 6.2 Request list of students from that secy's club 6.4 Request list of students from that CR's branch and year 10.5 Remove user from table 6.2 Get list of students from that CR's branch and year 10. Get user details SID (primary key, Foreign Key [reference to SignUp]), Name, Branch, Year, Semester, Clubs, Insta, Avatar						
Description Inbound Data Flows Outbound Data Flows Data Description Data Store Name Description Inbound Data Flows Outbound Data Flows Data Description Data Store Name	Hold the authorization level of students who are secretaries/joint secretaries of clubs/technical societies or are Class Representatives of their class. 2.1 Access Level Check 10.5 Remove user from table 2.1 Acces Level Status SID(primary key), Auth, Domain 4. Personal Table Contains basic data of the user which includes their name, semester year etc. 2.3 Save list of clubs of user 6.2 Request list of students from that secy's club 6.4 Request list of students from that CR's branch and year 10.5 Remove user from table 6.2 Get list of students from that CR's branch and year 10. Get user details SID (primary key, Foreign Key [reference to SignUp]), Name, Branch, Year, Semester, Clubs, Insta, Avatar 5. Sub_converter Table						
Description Inbound Data Flows Outbound Data Flows Data Description Data Store Name Description Inbound Data Flows Outbound Data Flows Data Description Data Store Name Description	Hold the authorization level of students who are secretaries/joint secretaries of clubs/technical societies or are Class Representatives of their class. 2.1 Access Level Check 10.5 Remove user from table 2.1 Acces Level Status SID(primary key), Auth, Domain 4. Personal Table Contains basic data of the user which includes their name, semester year etc. 2.3 Save list of clubs of user 6.2 Request list of students from that secy's club 6.4 Request list of students from that CR's branch and year 10.5 Remove user from table 6.2 Get list of students from that CR's branch and year 10. Get user details SID (primary key, Foreign Key [reference to SignUp]), Name, Branch, Year, Semester, Clubs, Insta, Avatar 5. Sub_converter Table Contains subject names for every subject code respectively and used to fetch subject names from their respective subject codes.						

	Data Store Name	6. Club_converter Table						
	Description	Used to convert club codes to their respective names.						
ı	Inbound Data Flows	10.1 Request names of clubs corresponding to club codes 10.3 Request search results						
0	Outbound Data Flows	10.1 Give required club names 10.3 Get search results						
	Data Description	Club_code(primary key), Club						
	Data Store Name	7. Notifications Table						
	Description	Used to store the notifications sent by the CRs and the Club heads. Contains general information about a notification						
ı	Inbound Data Flows	6.1 Store details for notifications						
0	Outbound Data Flows	6.2 Get notification details						
	Data Description	Noti_id (primary key), Topic, Description, Date, Time						
	Data Store Name	8. Student_Noti Table						
	Description	Used to map students with the respective notifications to be sent to them. Automatically deletes the notification for a student once they have received them.						
ı	Inbound Data Flows	6.2 Update notification details for that club 6.4 Update notification details for that CR 6.5 Request pending notifications						
0	Outbound Data Flows	6.5 Get pending notifications for that user						
	Data Description	[SID, Noti_id(foreign key reference to Notifications)](primary key)						
	Data Store Name	9. Attendance Table						
	Description	Used to store the attendance data entered by a user, Contains general information which is fetched when the user presses the attendance button						
ı	Inbound Data Flows	9.3 Request attendance details (subjects, classes)9.1 Send subject code to increment attendance						
0	Outbound Data Flows	9.3 Provide required details						
	Data Description	Subject (PrimaryKey), Subtitle, ClassesAttended, TotalClasses						
	D-+- 04 N	40 01 1 7 11						
	Data Store Name	10. Club Table						
	Description	Used to store the names of all the clubs the user chooses to be a part of						
I	Inbound Data Flows	10.3 Request to store user's club						
0	outbound Data Flows	10.3 Stores user's club						
	Data Description	ClubName(primary key), ID						
	Data Store Name	11. Reminder Table						
	Description	Used to store the data of all the custom reminders the user chooses to enter in the Custom Reminders Page						
ı	Inbound Data Flows	4.0 Request all pending reminders						
0	outbound Data Flows	4.0 Get list of reminders						
	Data Description	Description(PrimaryKey), Year, Month, Day, Hour, getNotified						

Data Store Name			12	2. Subjects Tab	ole		
Description	Used to store all the subjects that the user chooses to keep track of						
Inbound Data Flows	2.3 Save list of subjects of student 5.1 Request list of subjects of user 9.3 Request attendance details (subjects, classes) 9.1 Send subject code to increment attendance 10.7 Request list of subjects to append/delete						
Outbound Data Flows	5.1 Get list of subjects of user 9.3 Provide required details 10.7 list of subjects to append/delete						
Data Description	SubjectCode(PrimaryKey), Subject						
Data Store Name			13	. Timetable Ta	ble		
Description	Used to store the data of all the events that the user chooses to enter in the Timetable page alo with their frequency						le page along
Inbound Data Flows		5.		nd details of n details of cond of classes ma	cerned class	ble	
Outbound Data Flows				Get list of clas			
Data Description	Title(Prima	Title(PrimaryKey), startYear, startMonth, startDay, startHour, startMinute, endYear, endMonth, endDay, endHour, endMinute, interval					endMonth,
Data Store Name	14. User Table Used to store general data about the user, their authorisation level and login/SignUp state 2.2 Update login state and auth level 10.4 Update login/signup status						
Description							
Inbound Data Flows							
Outbound Data Flows				-			
Data Description	escription Sid(PrimaryKey), Password, auth, Login						

DATA STORES				
Data Structure Name	Values			
1. Super =	SID + Name + Email			
2. SignUp =	SID + Password			
3. Auth =	SID + Auth + Domain			
4. Personal =	SID + Name + Branch + Year + Semester + (Club_codes) + (Insta) + (Avatar)			
5. Sub_converter =	Sub_code + Subject			
6. Club_converter =	Club_code + Club			
7. Notifications =	Noti_id + Topic + Description + Date + Time			
8. Student_Noti =	SID + Noti_id			
9. Attendance =	Subject, Subtitle + ClassAttended + TotalClasses			
10. Clubs =	ClubName + id			
11. Reminder =	Description + Year + Month + Day + Hour + getNotified			
12. Subjects =	SubjectCode + Subject			
13. Timetable =	Title + startYear + startMonth + startDay + StartHour + startMinute + endYear + endMonth + endDay + endHour + endMinute + interval			
14. User =	Sid + Password + Auth + Login			